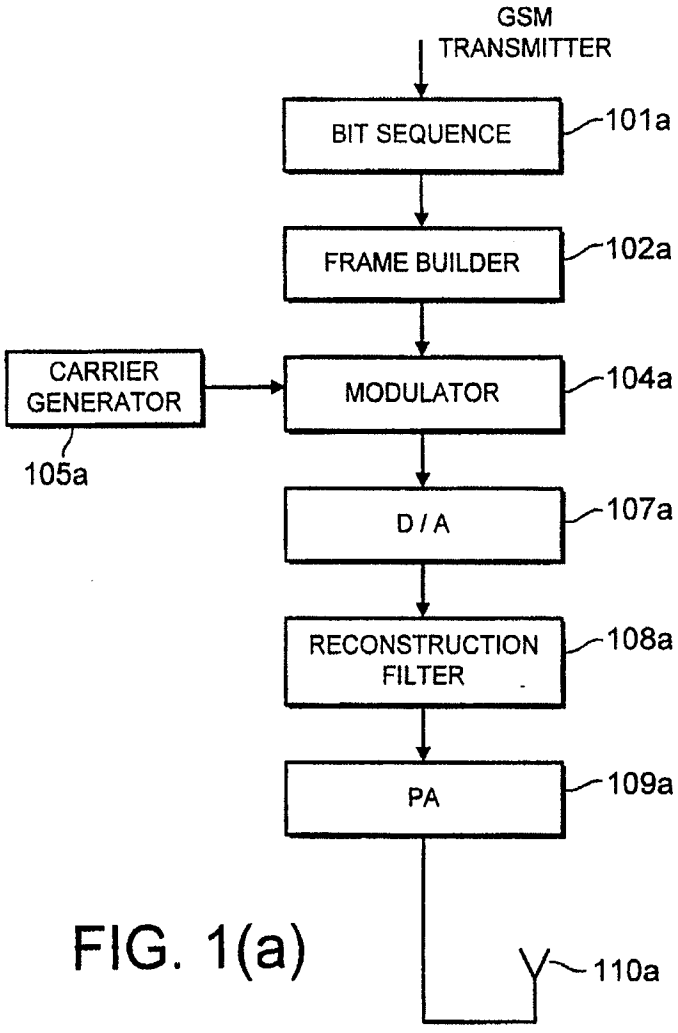


FIG. 1(a)

PRIOR ART

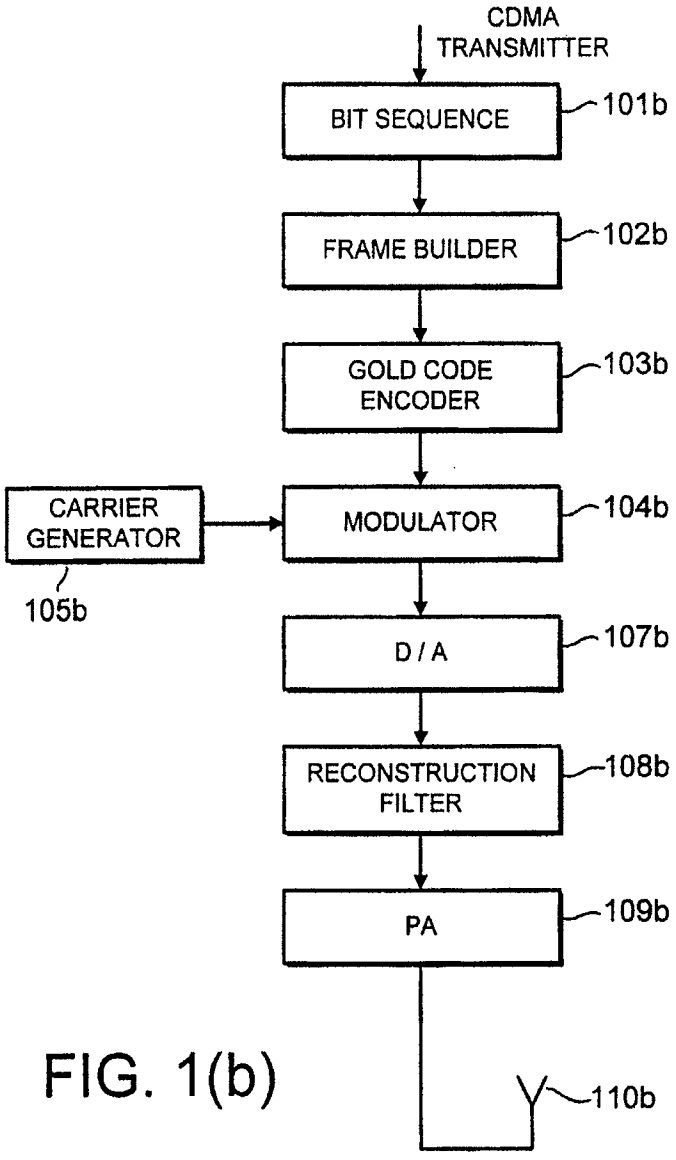


FIG. 1(b)

PRIOR ART

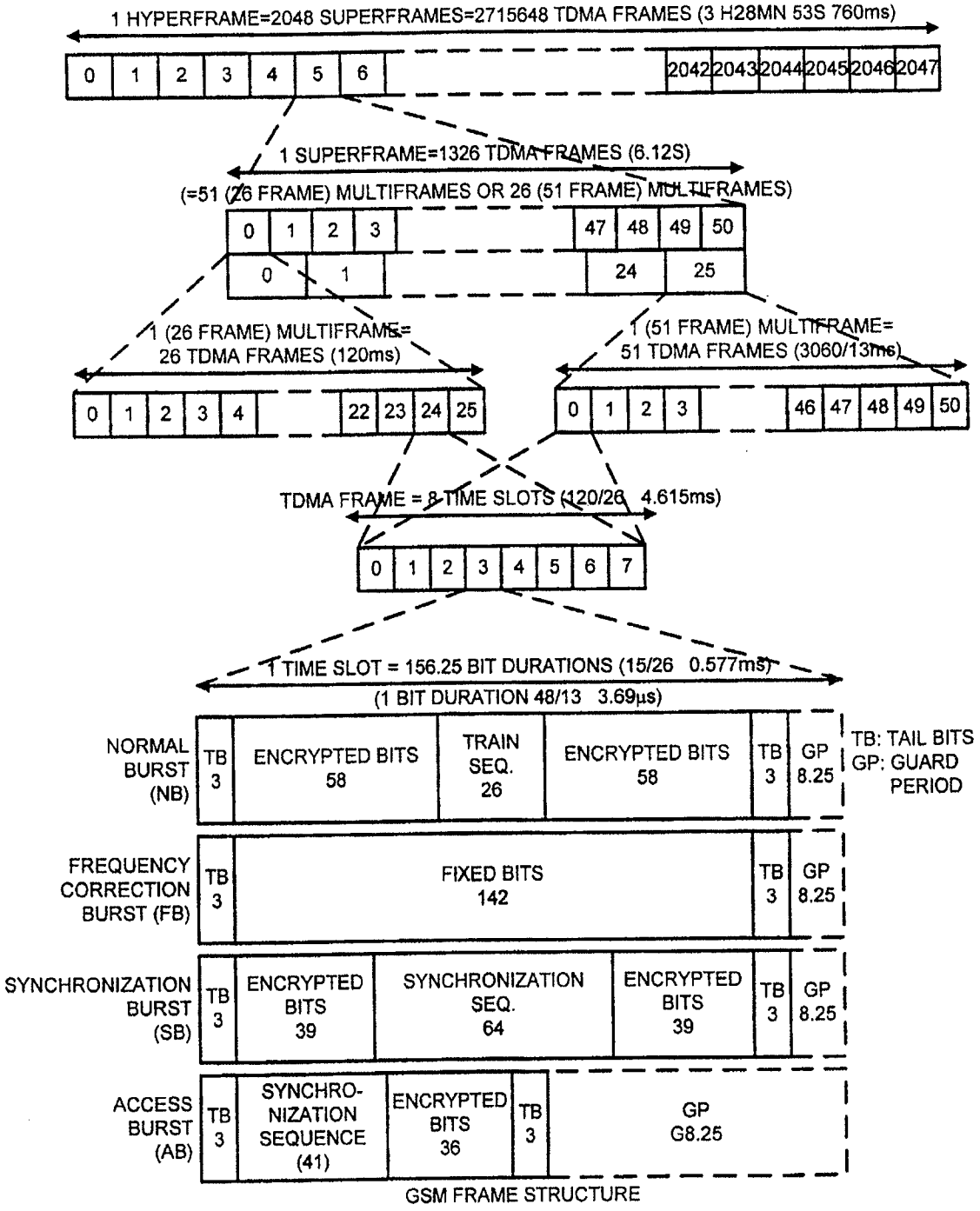


FIG. 1(c) PRIOR ART

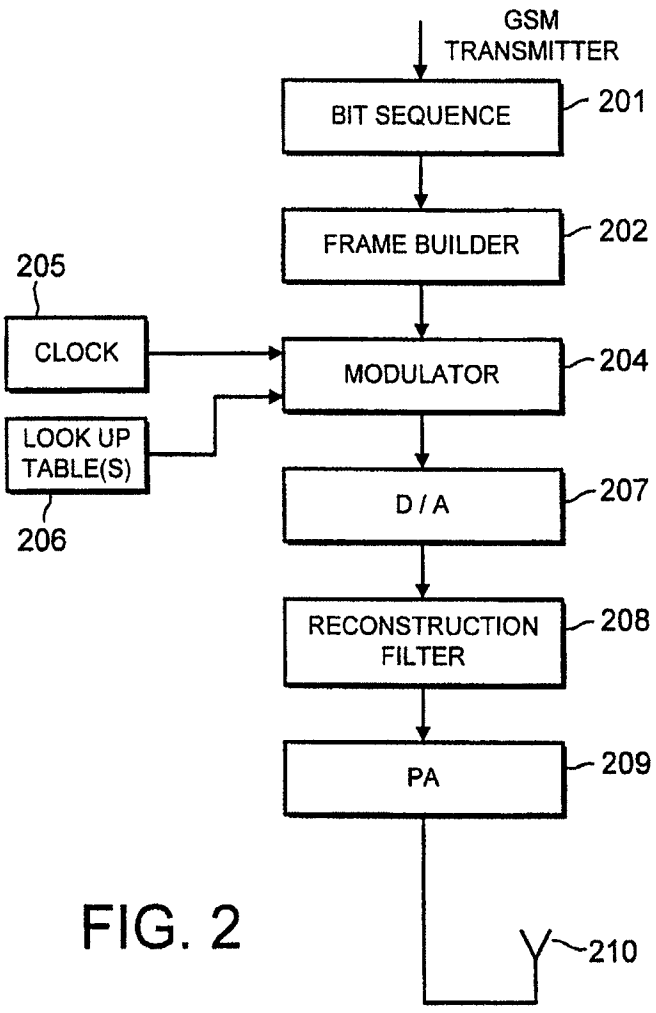

GSM
TRANSMITTER
BIT SEQUENCE
201
FRAME BUILDER
202
205
CLOCK
MODULATOR
204
LOOK UP
TABLE(S)
206
D / A
207
RECONSTRUCTION
FILTER
208
PA
209
210

FIG. 2

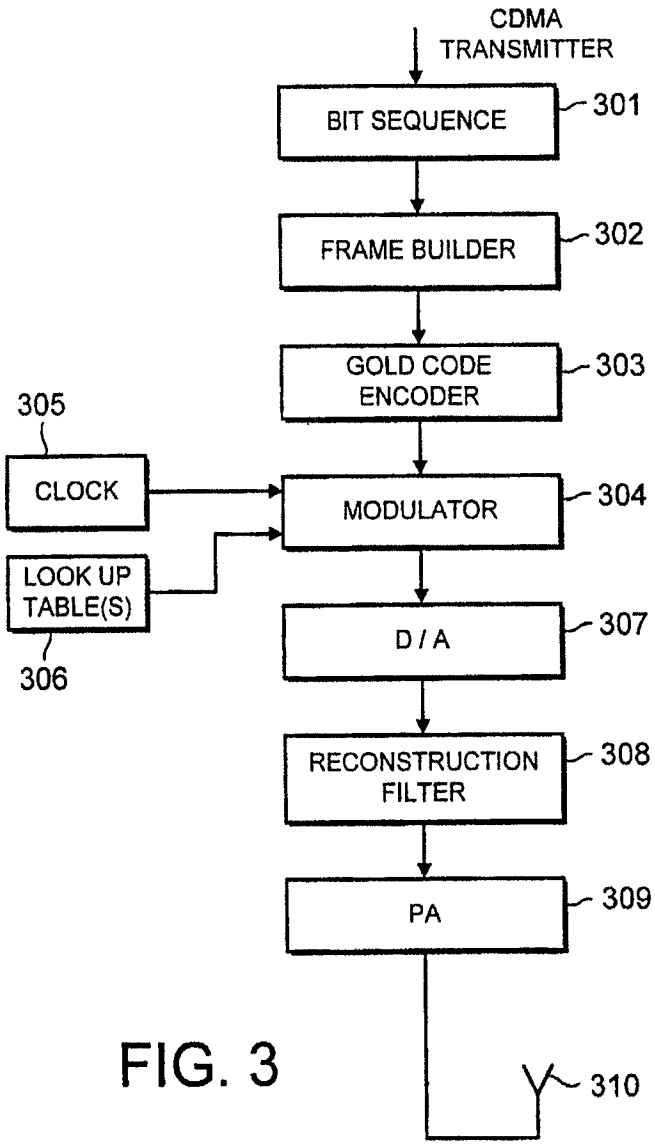


FIG. 3

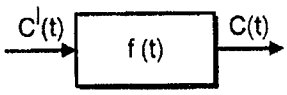


FIG. 4(a)

FIG. 4(b)

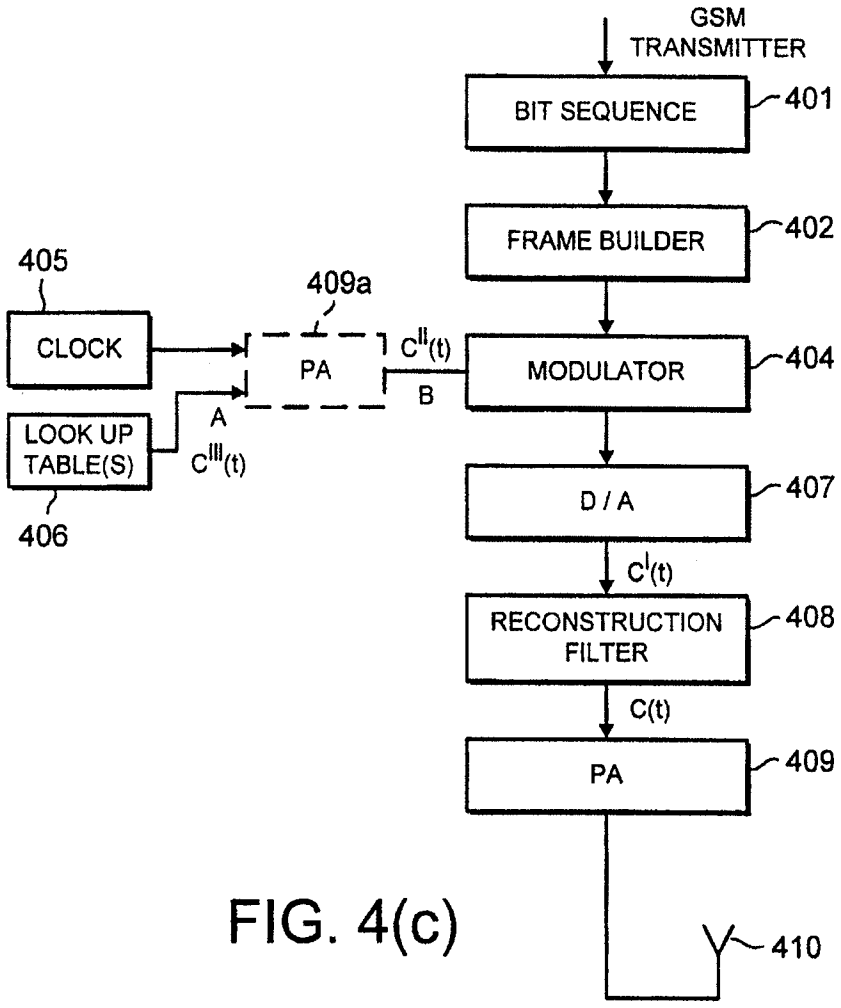

GSM
TRANSMITTER
BIT SEQUENCE
401
FRAME BUILDER
402
405
409a
CLOCK
PA
$C^{II}(t)$
MODULATOR
404
A
B
LOOK UP
TABLE(S)
$C^{III}(t)$
D / A
407
406
$C^{I}(t)$
RECONSTRUCTION
FILTER
408
C(t)
PA
409
410

FIG. 4(c)

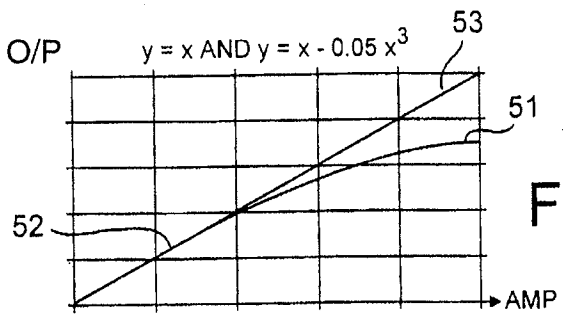


FIG. 5(a)

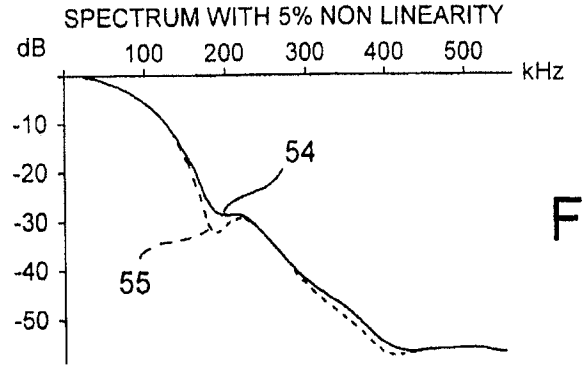


FIG. 5(b)

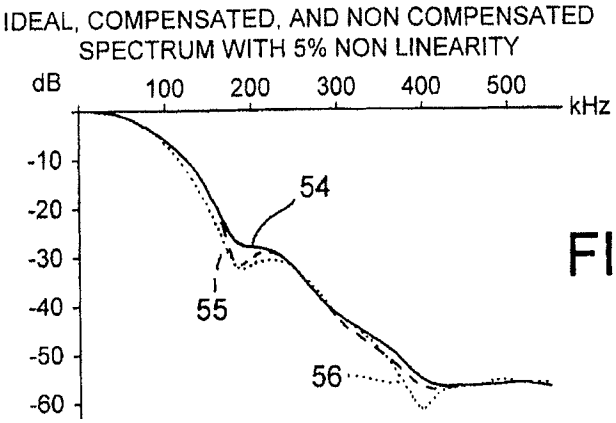


FIG. 5(c)

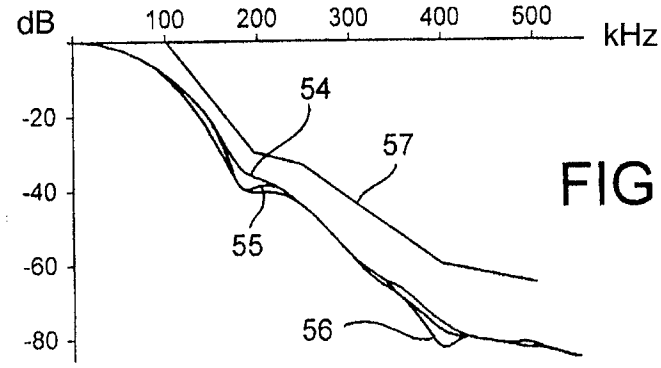


FIG. 5(d)

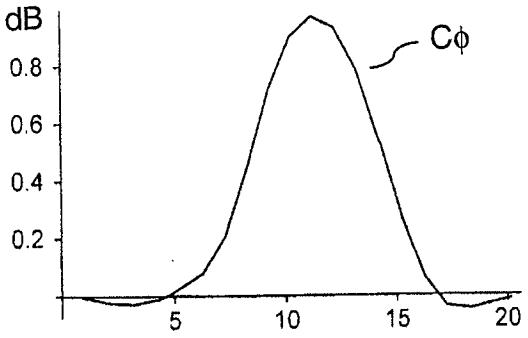


FIG.6(a)

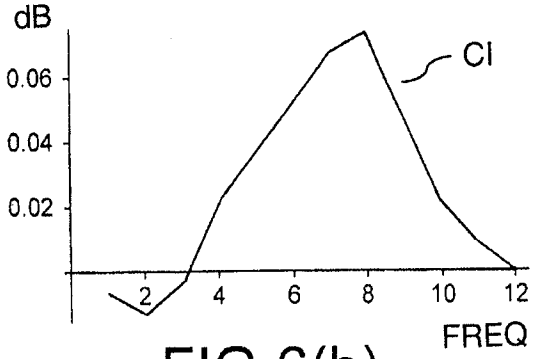


FIG.6(b)

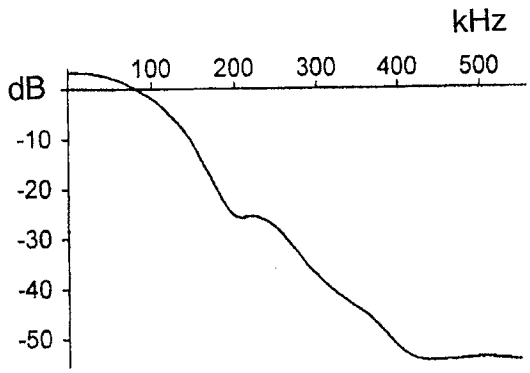


FIG.6(c)

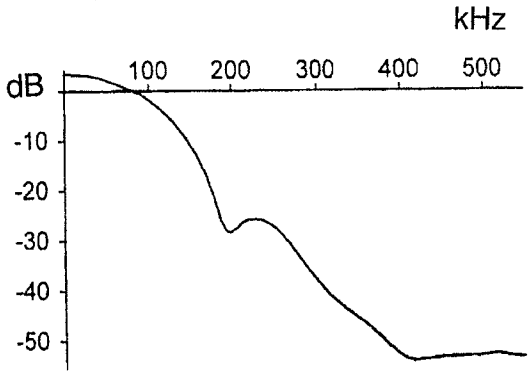


FIG.6(d)

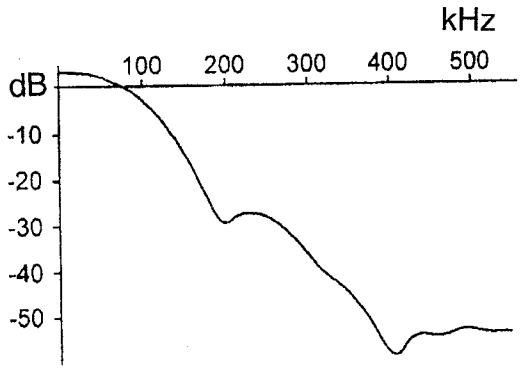


FIG.6(e)

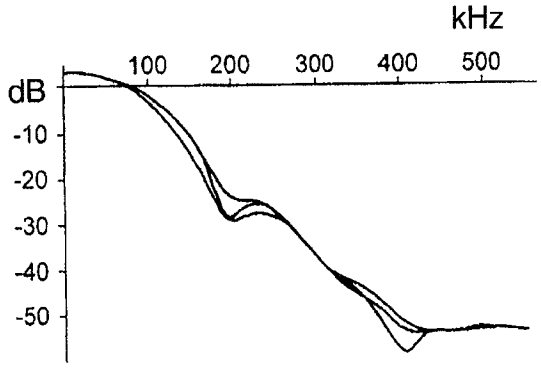


FIG.6(f)

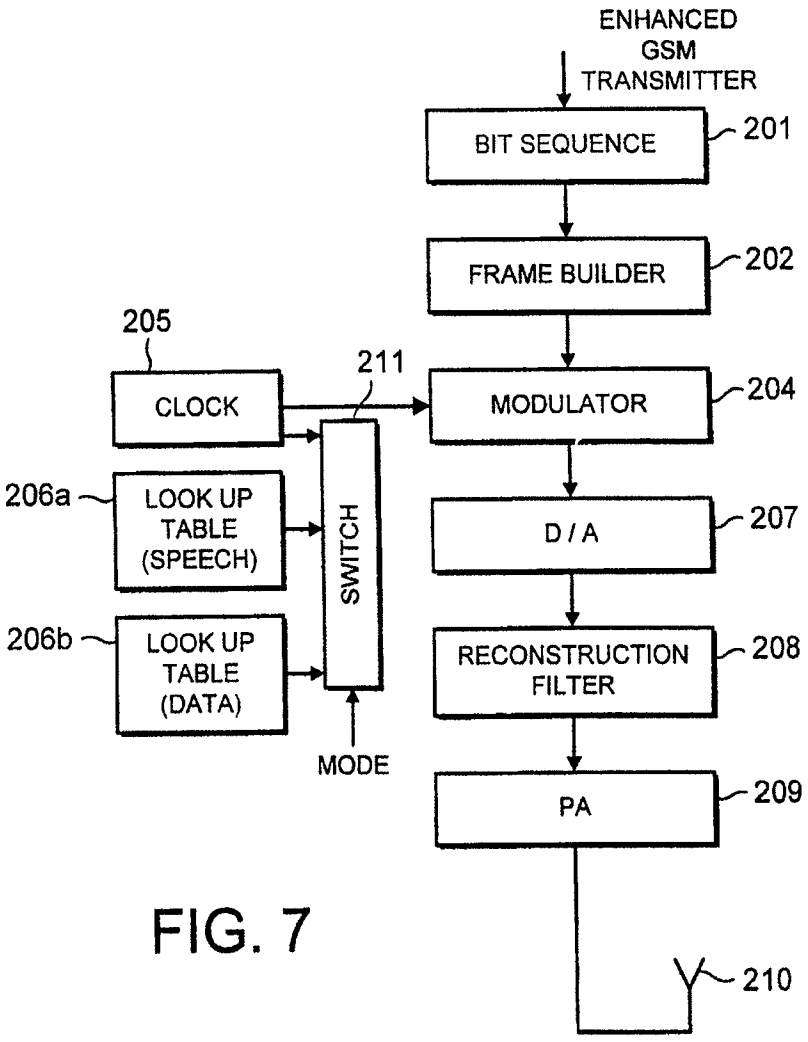

ENHANCED
GSM
TRANSMITTER
BIT SEQUENCE
201
FRAME BUILDER
202
205
211
CLOCK
MODULATOR
204
206a
LOOK UP
TABLE
(SPEECH)
SWITCH
D / A
207
206b
LOOK UP
TABLE
(DATA)
RECONSTRUCTION
FILTER
208
MODE
PA
209
210

FIG. 7

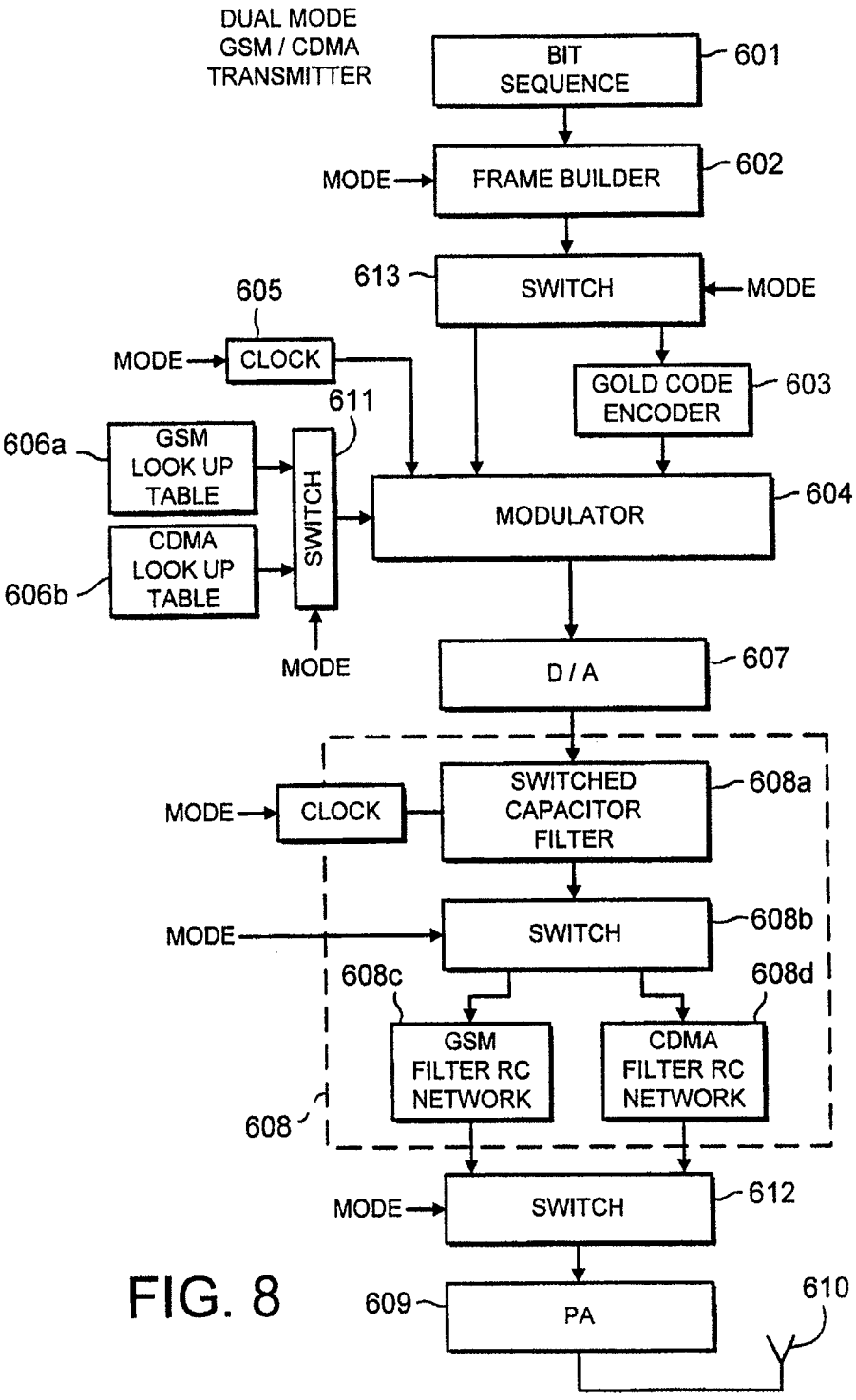

DUAL MODE
GSM / CDMA
TRANSMITTER
BIT
SEQUENCE
601
MODE
FRAME BUILDER
602
613
SWITCH
MODE
605
MODE
CLOCK
GOLD CODE
ENCODER
603
611
606a
GSM
LOOK UP
TABLE
SWITCH
MODULATOR
604
CDMA
LOOK UP
TABLE
606b
MODE
D / A
607
MODE
CLOCK
SWITCHED
CAPACITOR
FILTER
608a
MODE
SWITCH
608b
608c
608d
GSM
FILTER RC
NETWORK
CDMA
FILTER RC
NETWORK
608
MODE
SWITCH
612
609
PA
610

FIG. 8

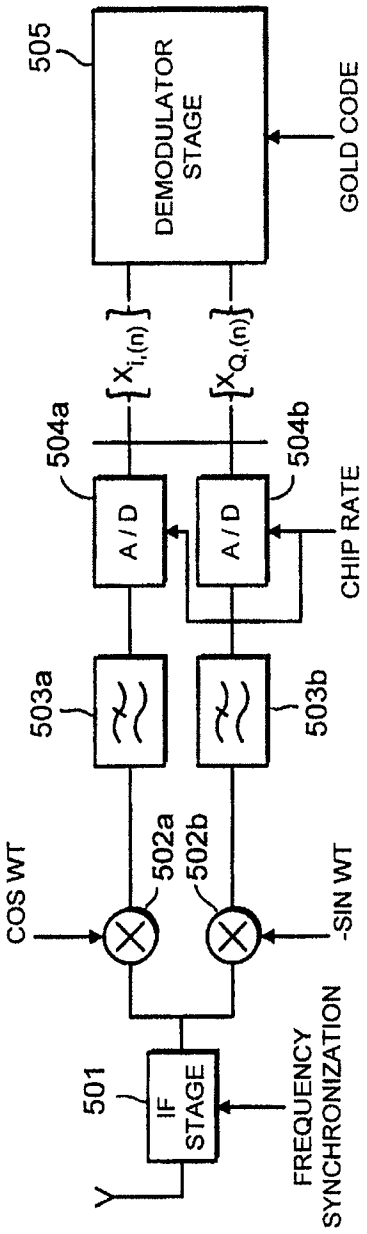


FIG. 9

PRIOR ART

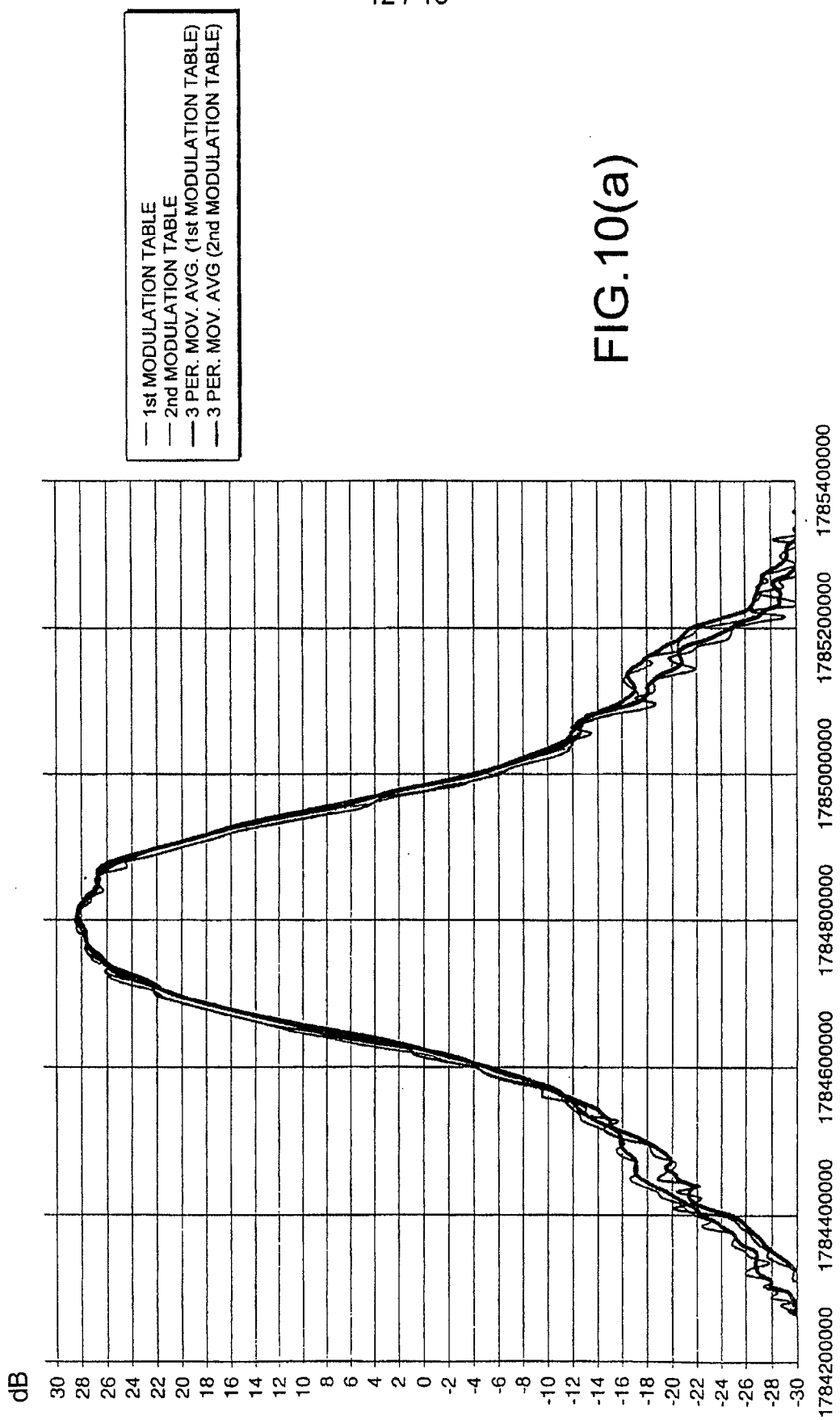
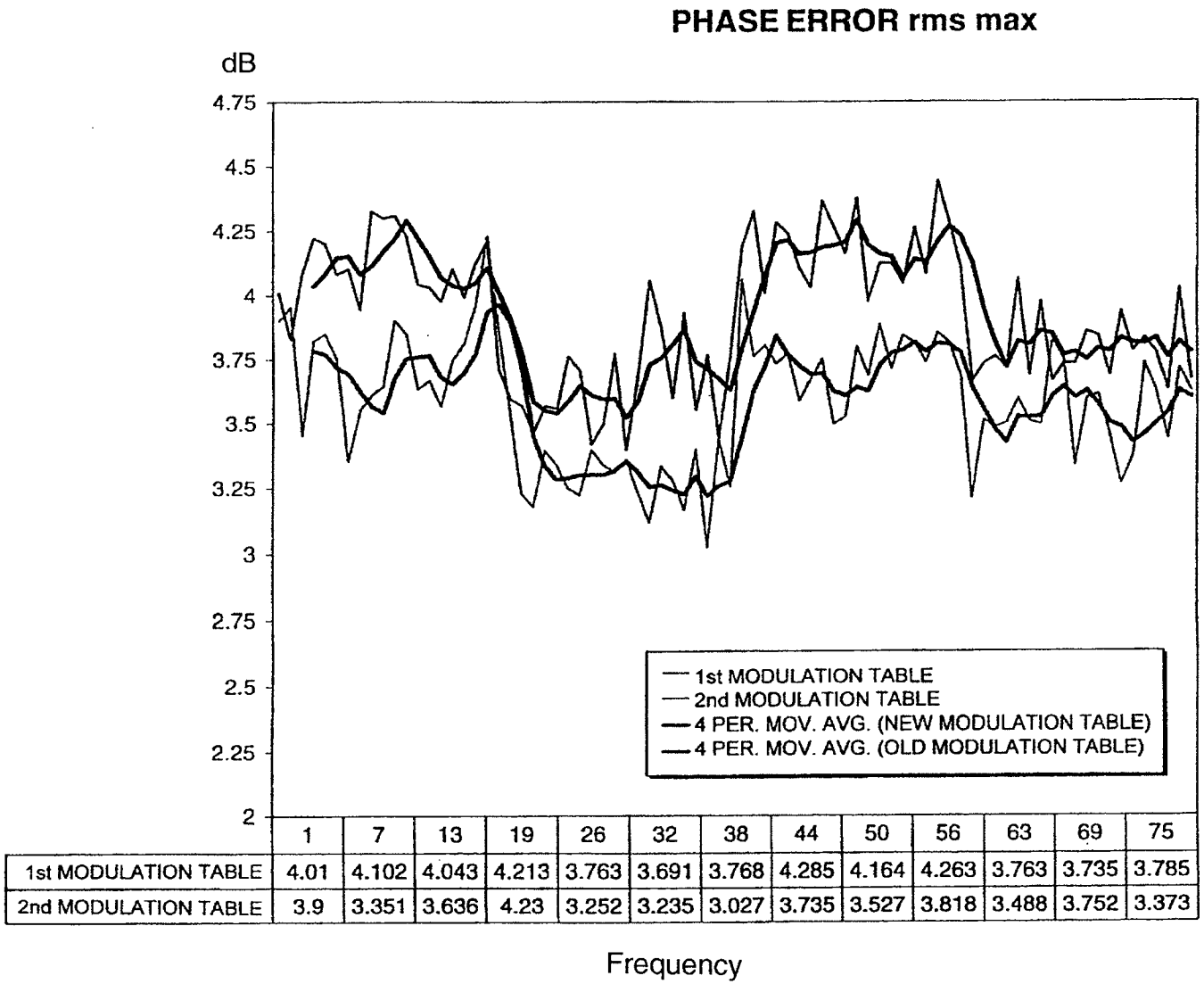

1st MODULATION TABLE
2nd MODULATION TABLE
3 PER. MOV. AVG. (1st MODULATION TABLE)
3 PER. MOV. AVG (2nd MODULATION TABLE)
dB
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16
-18
-20
-22
-24
-26
-28
-30
1784200000
1784400000
1784600000
1784800000
1785000000
1785200000
1785400000
Freq

FIG.10(a)



	1	7	13	19	26	32	38	44	50	56	63	69	75
1st MODULATION TABLE	4.01	4.102	4.043	4.213	3.763	3.691	3.768	4.285	4.164	4.263	3.763	3.735	3.785
2nd MODULATION TABLE	3.9	3.351	3.636	4.23	3.252	3.235	3.027	3.735	3.527	3.818	3.488	3.752	3.373

FIG.10(b)